

H. D. URSELL: The dissection of closed surfaces and the Phragmen-Brouwer-Alexandroff theorem. WILLIAM W. FLEXNER and MADELINE LEVIN: The intersection of arbitrary chains and its boundary. W. J. TRJITZINSKY: The general case of linear integro-differential equations. JOHN L. VANDERSLICE: Conformal tensor invariants. A. ADRIAN ALBERT: Involutorial simple algebras and real Reimann matrices.

Forthcoming Events

[Meetings marked with an asterisk are open to the public.]

Sunday, March 17

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30.—M. Burton: "Myths of the Countryside".*

Monday, March 18

BRITISH MUSEUM (NATURAL HISTORY), at 11.30.—Dr. Hugh Scott: "Insect Collecting in Abyssinia".*

BRITISH PSYCHOLOGICAL SOCIETY (INDUSTRIAL SECTION), at 6.—Dr. Jose Germain: "Industrial Psychology in Spain".

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Lieut.-Col. R. B. Seymour Sewell: "The Floor of the Arabian Sea".

Tuesday, March 19

BRITISH INSTITUTE OF PHILOSOPHY, at 8.15.—(at University College, Gower Street, London, W.C.1).—Sir Josiah Stamp: "Can Present Human Motives Work a Planned Society?".*

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.30.—(at the London School of Hygiene and Tropical Medicine, Keppel Street, W.C.1).—Film of "The Worora Tribe of N.W. Australia: Technology and Ceremonies"; comments by Rev. J. R. B. Love.

"Stonehenge and its Problems"; comments by Gerald Heard.

Wednesday, March 20

ROYAL METEOROLOGICAL SOCIETY, at 7.30.—Dr. F. J. W. Whipple: "The Propagation of Sound to Great Distances" (G. J. Symons Memorial Lecture).

ROYAL SOCIETY OF ARTS, at 8.—Wing Commander T. R. Cave-Browne-Cave: "Exhaust Noise and the other Noises of Motor Transport".

Thursday, March 21

CHEMICAL SOCIETY, at 8.—Discussion on "Recent Progress in the Chemistry of the Terpenes", to be opened by Prof. J. L. Simonsen.

Friday, March 22

QUEEN MARY COLLEGE, at 5.30.—Prof. E. K. Rideal: "Some Problems in Surface Action".*

INSTITUTION OF PROFESSIONAL CIVIL SERVANTS, at 5.30.—(at the Royal Society of Arts, John Street, Adelphi, W.C.2).—Prof. H. Levy: "Science and Social Responsibility".*

BRITISH SCIENCE GUILD AND THE GEOGRAPHICAL ASSOCIATION, at 7.30.—(at the College of Technology, Manchester).—Comm. L. C. Bernacchi: "Antarctic Exploration, Past and Present".*

ROYAL INSTITUTION, at 9.—Prof. B. Melvill Jones: "Speed".

Official Publications Received

GREAT BRITAIN AND IRELAND

Proceedings of the Fourth International Congress for Applied Mechanics, Cambridge, England, July 3rd-9th, 1934. Pp. xviii+283. (Cambridge: Printed at the University Press.)

Technical Publications of the International Tin Research and Development Council. Series A, No. 7: The Determination of the Porosity of Tin Coatings on Steel. By D. J. Macnaughton, S. G. Clarke and J. C. Prytherch. Pp. 9+3 plates. Series A, No. 14: Tinplate, some Fundamental Considerations. By W. E. Hoare. Pp. 16+4 plates. Series D, No. 1: A Study of the Yellow Stain on Tinplates. By C. E. Beynon and C. J. Leadbetter, under the supervision of Prof. C. A. Edwards. Pp. 11+4 plates. (London: International Tin Research and Development Council.)

Reports of the Progress of Applied Chemistry. Issued by the Society of Chemical Industry. Vol. 19, 1934. Pp. 840. (London: Society of Chemical Industry.) 12s. 6d.; to Members, 7s. 6d.

College Hall, London (University of London). Fifty-second Annual Report, September 1st, 1933-August 31st, 1934. Pp. 48. (London: College Hall.)

OTHER COUNTRIES

New South Wales: Department of Mines: Geological Survey. Mineral Resources, No. 36: West Darling District; a Geological Reconnaissance with Special Reference to the Resources of Sub-surface Water. By E. J. Kenny. Pp. 180+15 plates. (Sydney: Government Printer.) 6s.

Smithsonian Miscellaneous Collections. Vol. 92, No. 14: Archeological Investigations in the Bay Islands, Spanish Honduras. By William Duncan Strong. (Publication 3290.) Pp. vi+76+33 plates. (Washington, D.C.: Smithsonian Institution.)

India: Meteorological Department. Scientific Notes, Vol. 5, No. 60: A Study of the Atmospheric Horizontal Visibility at Bangalore. By A. Ananthapadmanabha Rao. Pp. 141-157+3 plates. (Delhi: Manager of Publications.) 10 annas; 1s.

Commonwealth of Australia: Council for Scientific and Industrial Research. Pamphlet No. 51: The Chemistry of Australian Timbers. Part 4: A Study of the Lignin Determination, II. By W. E. Cohen. (Division of Forest Products, Technical Paper No. 14.) Pp. 20. (Melbourne: Government Printer.)

Transactions of the National Institute of Sciences of India. Vol. 1, No. 1: Physiology, Bionomics and Evolution of the Air-Breathing Fishes of India. By Dr. S. L. Hora. Pp. 16+1 plate. (Calcutta: National Institute of Sciences of India.)

U.S. Department of Agriculture. Technical Bulletin No. 455: The European Corn Borer and its Controlling Factors in the Orient. By Charles A. Clark. Pp. 38. (Washington, D.C.: Government Printing Office.) 5 cents.

Proceedings of the Boston Society of Natural History. Vol. 40, No. 4: On the Habits and Distribution of Birds on the North Atlantic. By V. C. Wynne-Edwards. Pp. 233-346+plates 3-5. (Boston, Mass.: Boston Society of Natural History.)

U.S. Department of the Interior: Office of Education. Bulletin, 1933, No. 2: Statistical Summary of Education, 1931-32. Prepared by Emery M. Foster. Pp. 12. 5 cents. Bulletin, 1934, No. 8: Supervision exercised by States over Privately Controlled Institutions of Higher Education. By John H. McNeely. Pp. v+64. 10 cents. (Washington, D.C.: Government Printing Office.)

Madras Fisheries Department. Administration Report for the Year 1933-34. By Dr. B. Sundara Raj. Pp. iii+83+3. (Madras: Government Press.) 12 annas.

Jac. Berzelius Brev. Uggivna av Kungl. Svenska Vetenskapsakademien genom H. G. Söderbaum. Supplement utgivet genom Arne Holmberg: Brev från Berzelius till Thomas Thomson och till Alexandre Brongniart. Pp. 24. (Uppsala: Almqvist and Wiksells Boktryckeri A.-B.)

Smithsonian Institution: United States National Museum. Report on the Progress and Condition of the United States National Museum for the Year ended June 30, 1934. Pp. iii+109. (Washington, D.C.: Government Printing Office.) 15 cents.

Smithsonian Miscellaneous Collections. Vol. 93, No. 2: Mud Shrimps of the Atlantic Coast of North America. By Waldo L. Schmitt. (Publication 3292.) Pp. 21+4 plates. Vol. 93, No. 5: Nomenclature of some Cambrian Trilobites. By Charles Elmer Resser. (Publication 3295.) Pp. 46. (Washington, D.C.: Smithsonian Institution.)

The Museum Journal. Vol. 24, No. 1: Beth-Shan, Earliest Pottery, by G. M. Fitzgerald; Tell Billa, First Assyrian Level, by Charles Bache. Pp. 52. (Philadelphia: University Museum.)

Field Museum of Natural History. Zoological Series, Vol. 18, No. 12: New Fishes obtained by the Crane Pacific Expedition. By Albert W. Herre. (Publication 335.) Pp. 381-438. (Chicago: Field Museum of Natural History.) 50 cents.

Bulletin of the American Museum of Natural History. Vol. 67, Article 9: Catalogue of Mineral Pseudomorphs in the American Museum. By Clifford Frondel. Pp. 389-426. (New York City.)

U.S. Department of the Interior: Office of Education. Vocational Education Bulletin No. 172: Vocational Teacher Training in the Industrial Field. Pp. v+32. 5 cents. Vocational Education Bulletin No. 178: Teaching Farm Credit. Pp. vii+43. 5 cents. (Washington, D.C.: Government Printing Office.)

Proceedings of the United States National Museum. Vol. 83, No. 2973: American Muscoid Flies of the Genera Ceratomyia and Paradidyma. By H. J. Reinhard. Pp. 9-43. (Washington, D.C.: Government Printing Office.)

The Medical and Scientific Archives of the Adelaide Hospital. No. 13 (for the Year 1933). Pp. 42. (Adelaide: Government Printer.) Østers og østerkultur i Norge. Av Torbjørn Gaarder og Paul Bjerkan. (Utgitt med bidrag av Fiskeridirektoratet.) Pp. 96. (Bergen: A.-S. John Griegs Boktrykkeri.)

Bergens Museums Skrifter. Nr. 16: Norges Levermoser. Av E. Jørgensen. Pp. 344+25 charts. (Bergen: A.-S. John Griegs Boktrykkeri.)